

Fig. 1

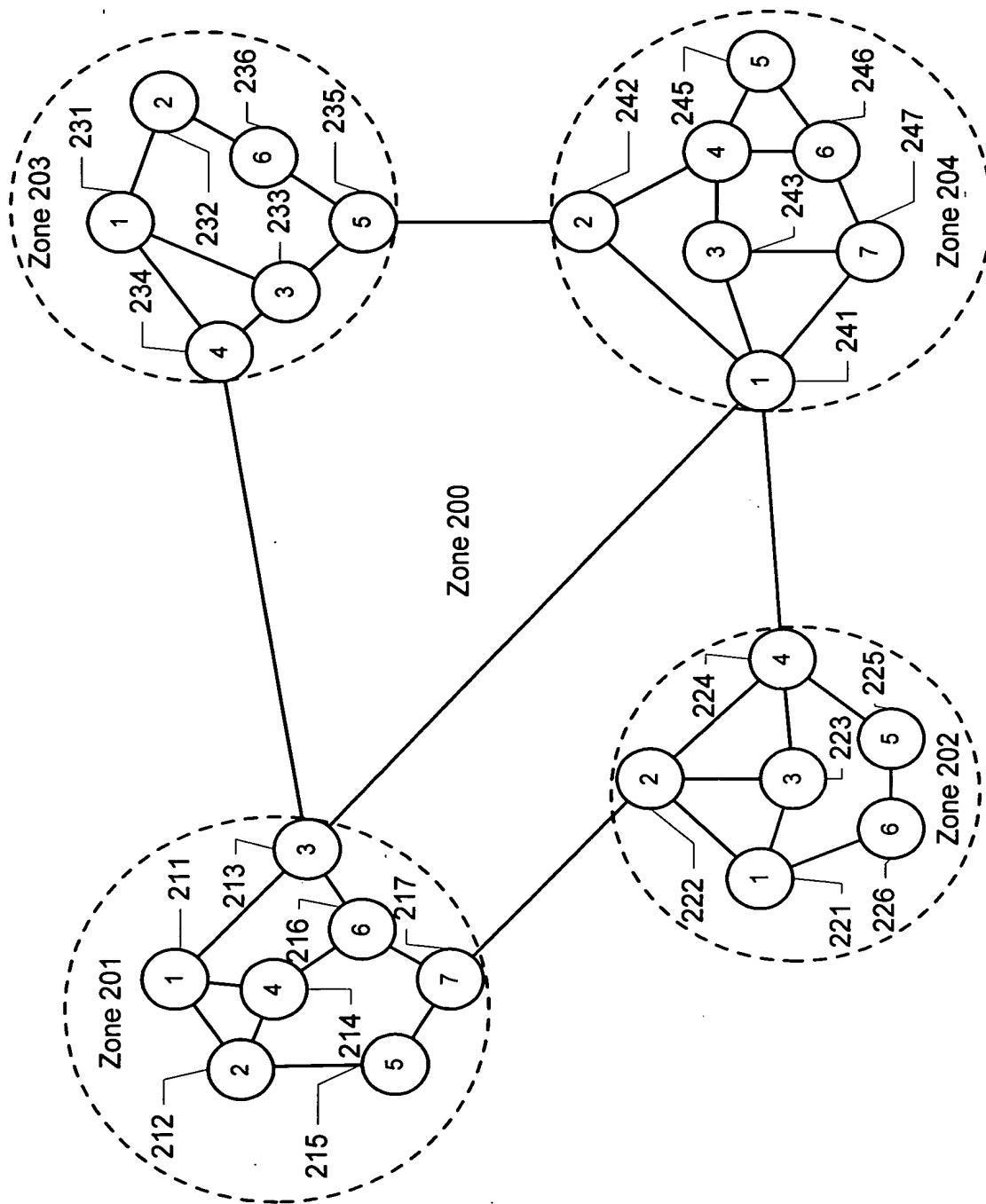


Fig. 2

**Fig. 3**

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graph TD; Start([Start]) --> 400[Send back a positive response to sender of GET_LSA]; 400 --> 410[Find requested LSAs in link state database]; 410 --> 420[Build lists A and B]; 420 --> 430[Flag LSAs on A list for deletion in LSTimeToLive unless update received]; 430 --> 440[Send GET_LSA to all neighbors except sender for list A LSAs]; 440 --> 450{List B empty?}; 450 -- No --> 460[Send list B LSAs to the sender of the GET_LSA request]; 450 -- Yes --> End([End]); 460 --> End;
```

The flowchart illustrates the LSA processing method according to the invention. It begins with a 'Start' terminal, followed by a process block 400: 'Send back a positive response to sender of GET\_LSA'. This is followed by block 410: 'Find requested LSAs in link state database', then block 420: 'Build lists A and B'. Block 430: 'Flag LSAs on A list for deletion in *LSTimeToLive* unless update received' follows. Then, block 440: 'Send GET\_LSA to all neighbors except sender for list A LSAs'. A decision diamond 450 asks 'List B empty?'. If 'No', block 460: 'Send list B LSAs to the sender of the GET\_LSA request' is executed. If 'Yes', the flow proceeds directly to the 'End' terminal. Both paths from block 460 and the 'Yes' branch of diamond 450 lead to the 'End' terminal.

**Fig. 4**

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graph TD
    Start([Start]) --> 505{New LSA?}
    505 -- No --> 560{All LSAs processed?}
    505 -- Yes --> 510{Unprocessed nodes remaining in neighbor list?}
    510 -- No --> 560
    510 -- Yes --> 520{State of neighbor node at least ACTIVE?}
    520 -- No --> 530[Skip neighbor node]
    520 -- Yes --> 540{LSA not received from this neighbor?}
    540 -- No --> 530
    540 -- Yes --> 550[Add LSA to list of LSAs to be sent]
    530 --> 560
    550 --> 560
    560 -- Yes --> 570{Sent all LSAs in list of LSAs?}
    560 -- No --> 560
    570 -- No --> 580[Send next LSA]
    570 -- Yes --> End([End])
    580 --> 560

```

**Fig. 5**

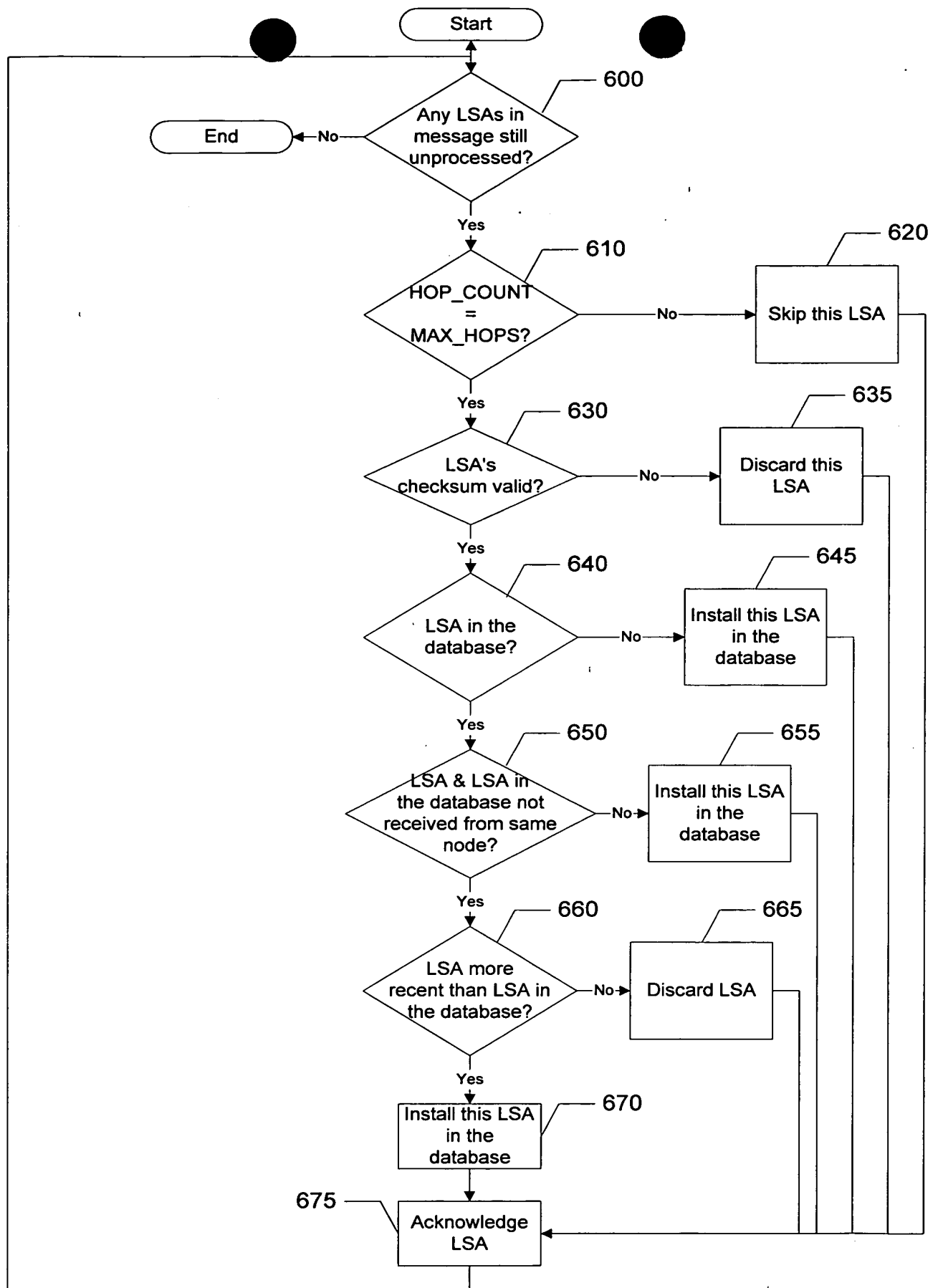


Fig. 6

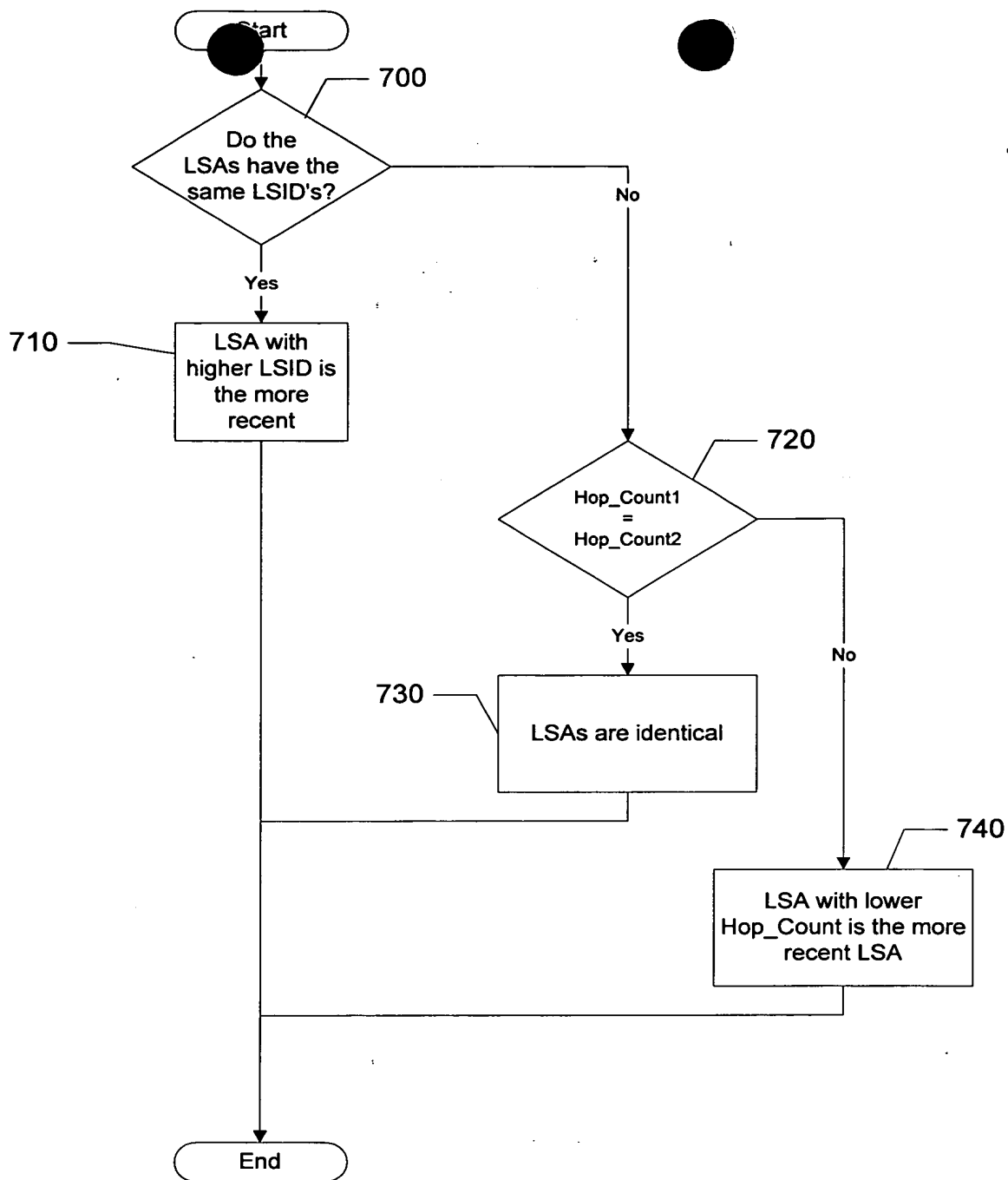


Fig. 7





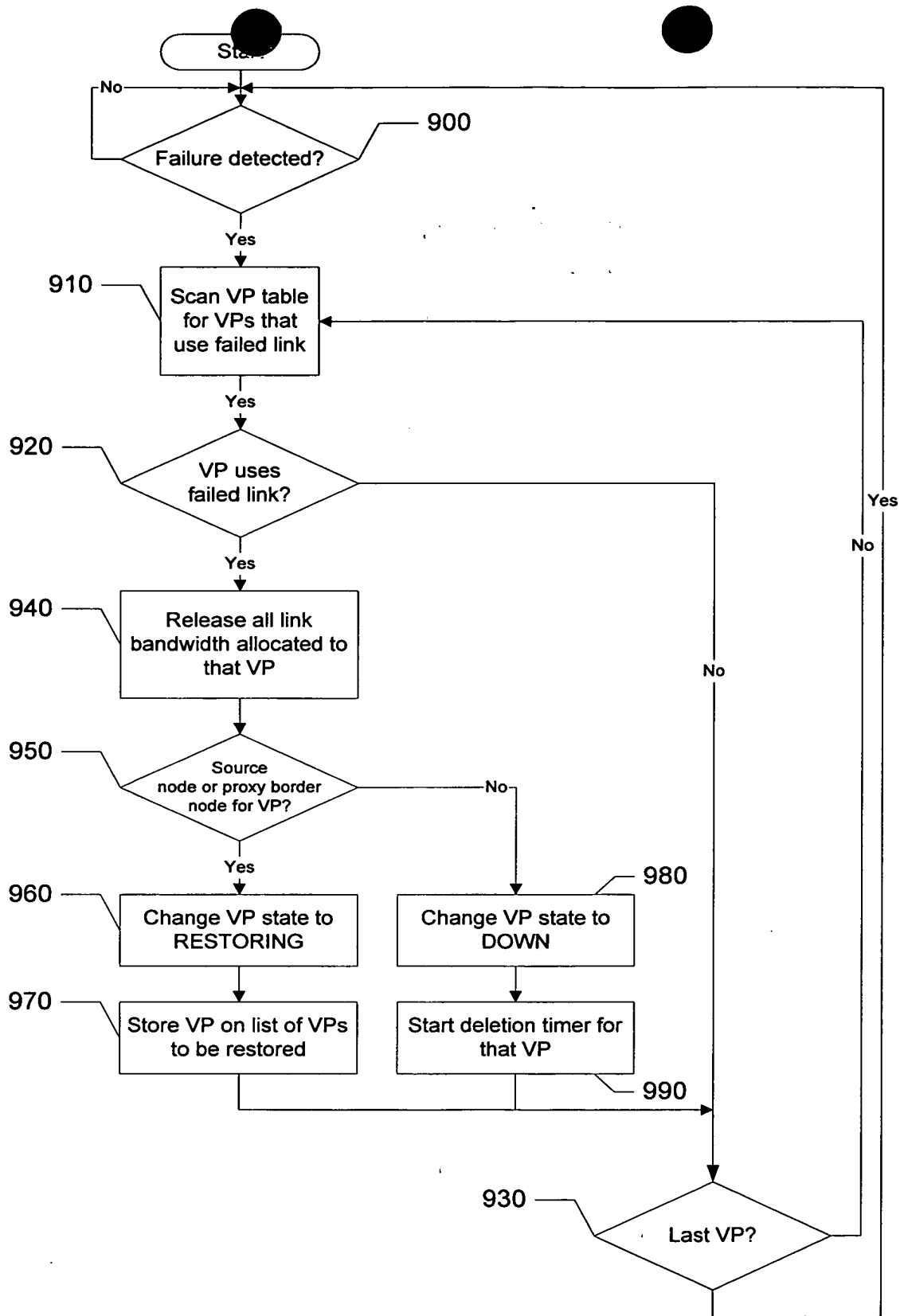


Fig. 9

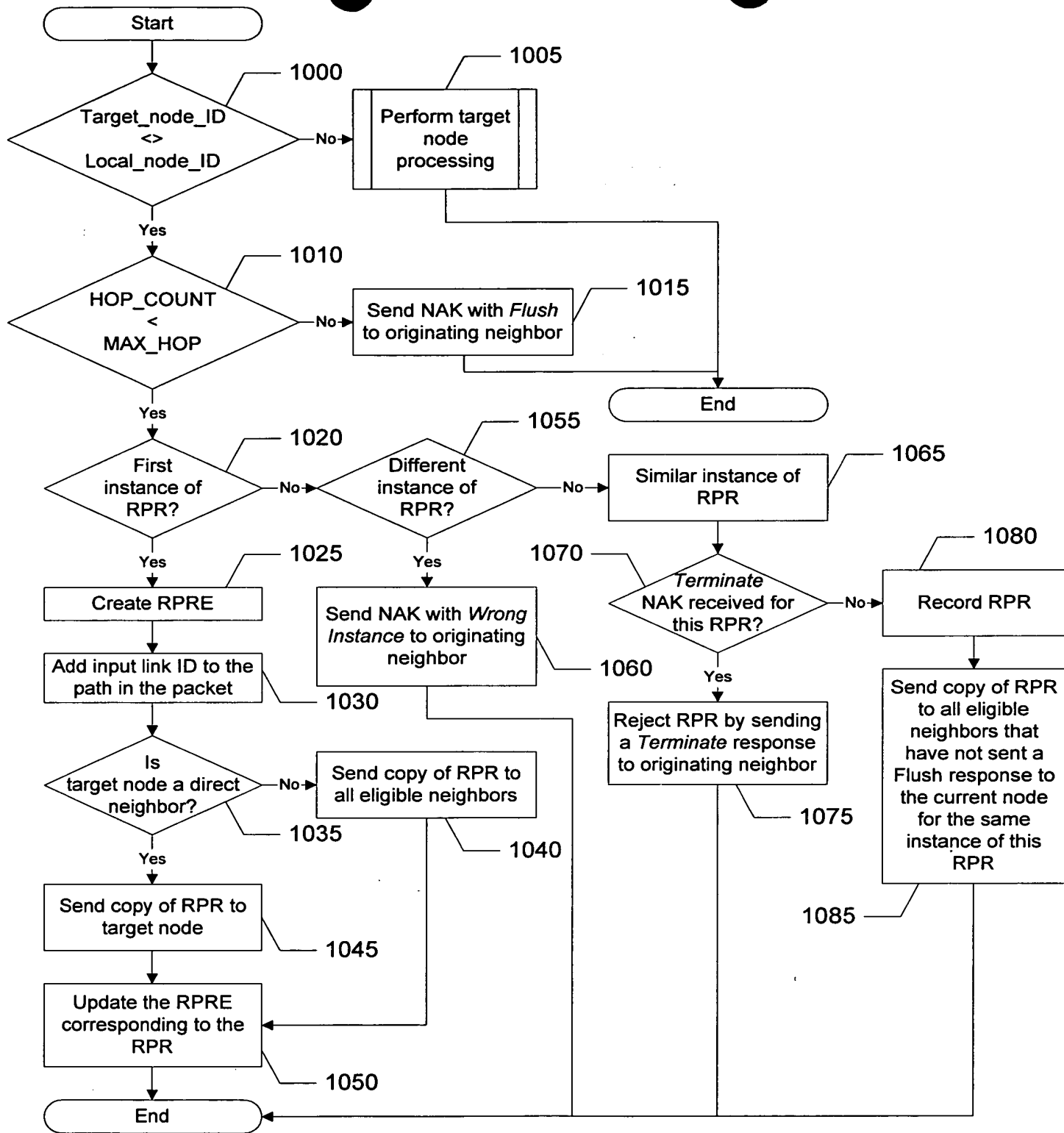


Fig. 10

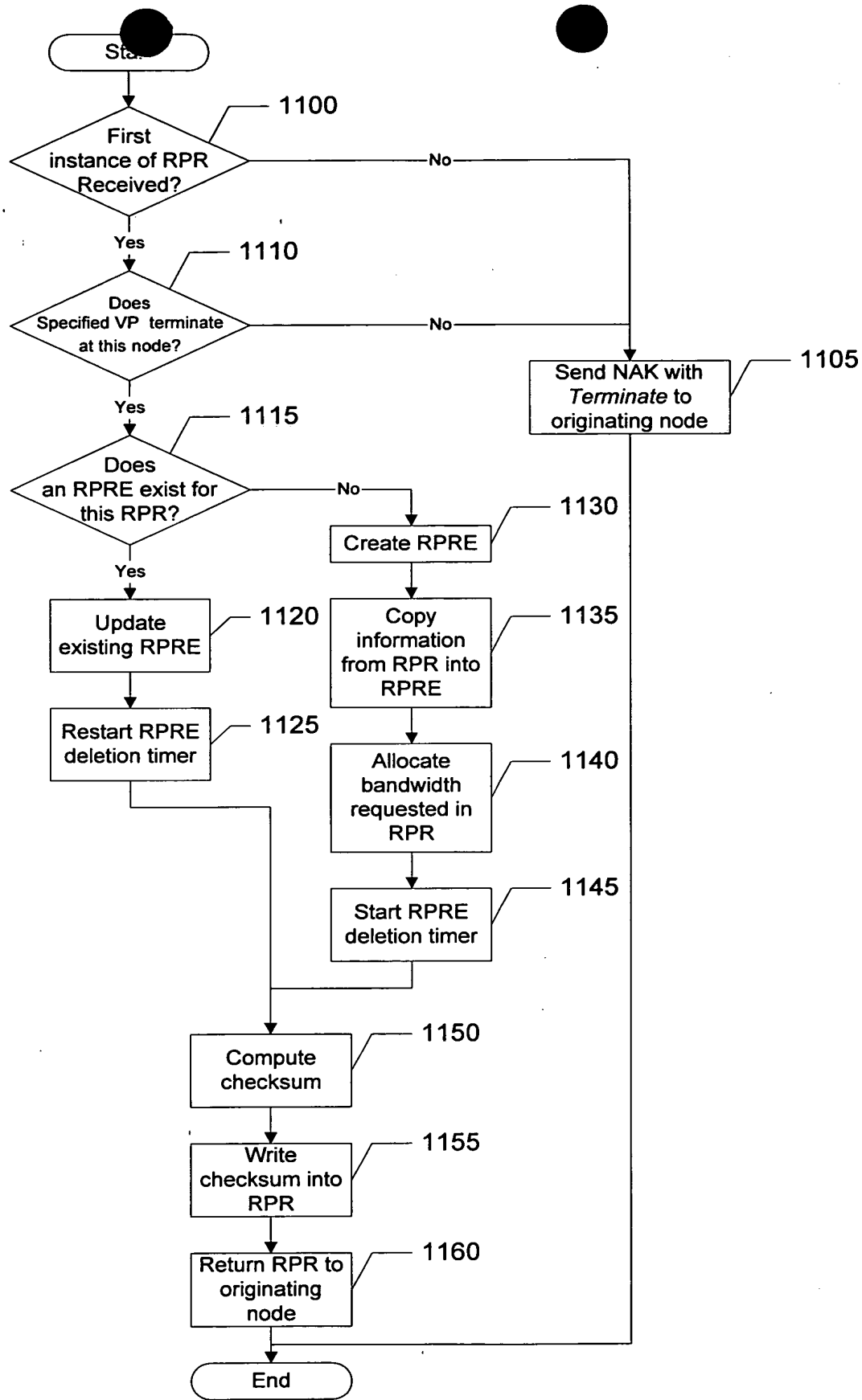


Fig. 11

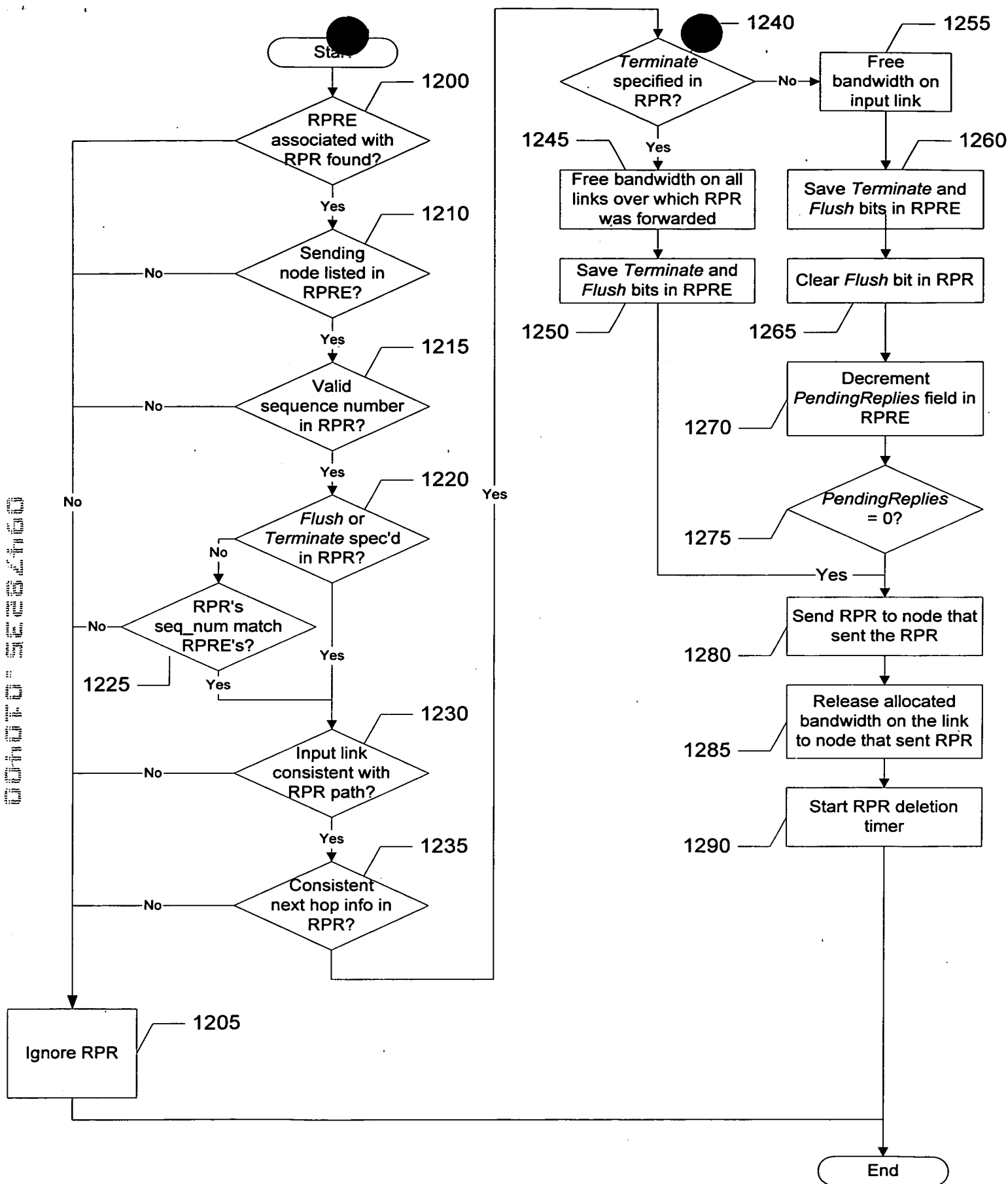


Fig. 12

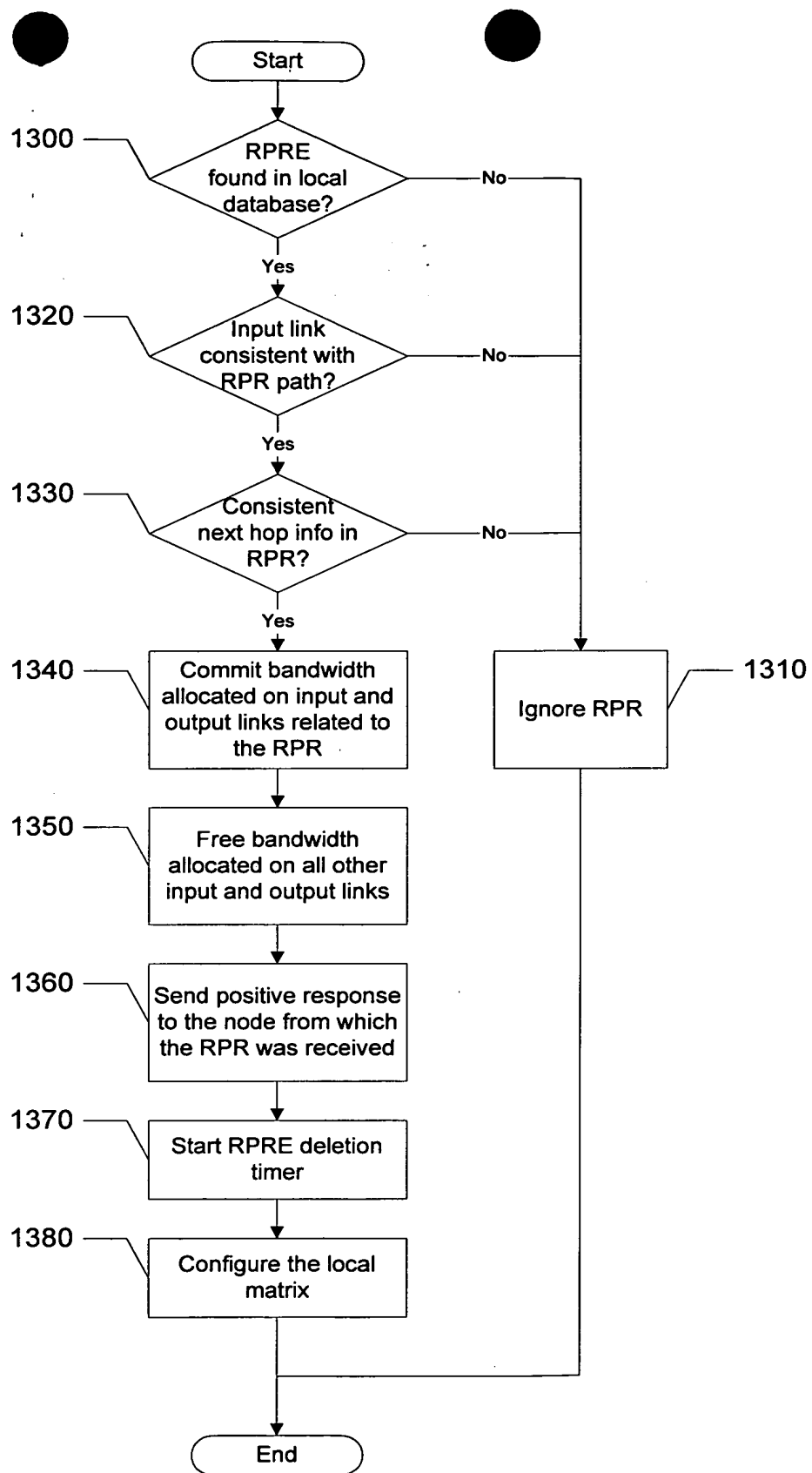


Fig. 13



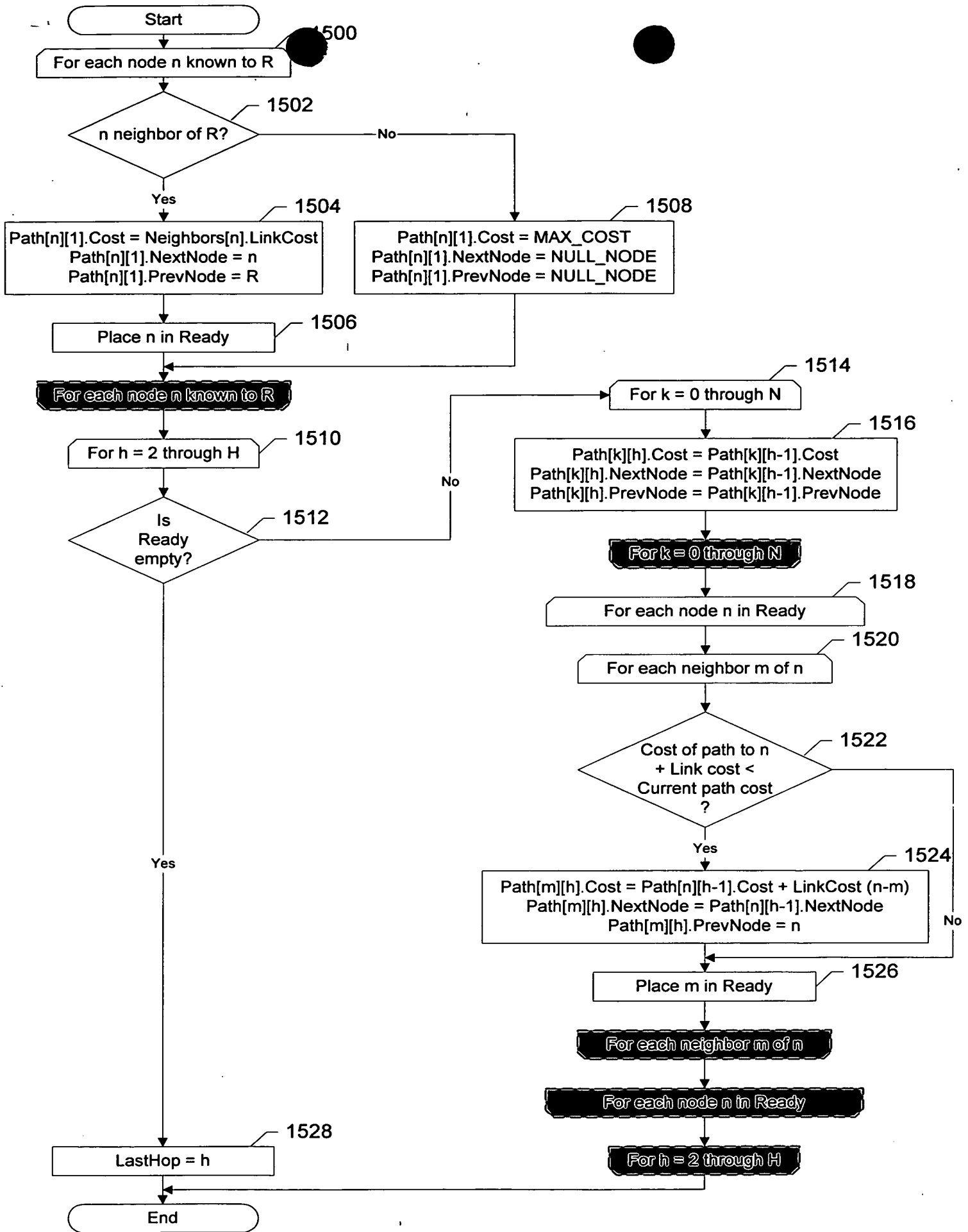


Fig. 15A

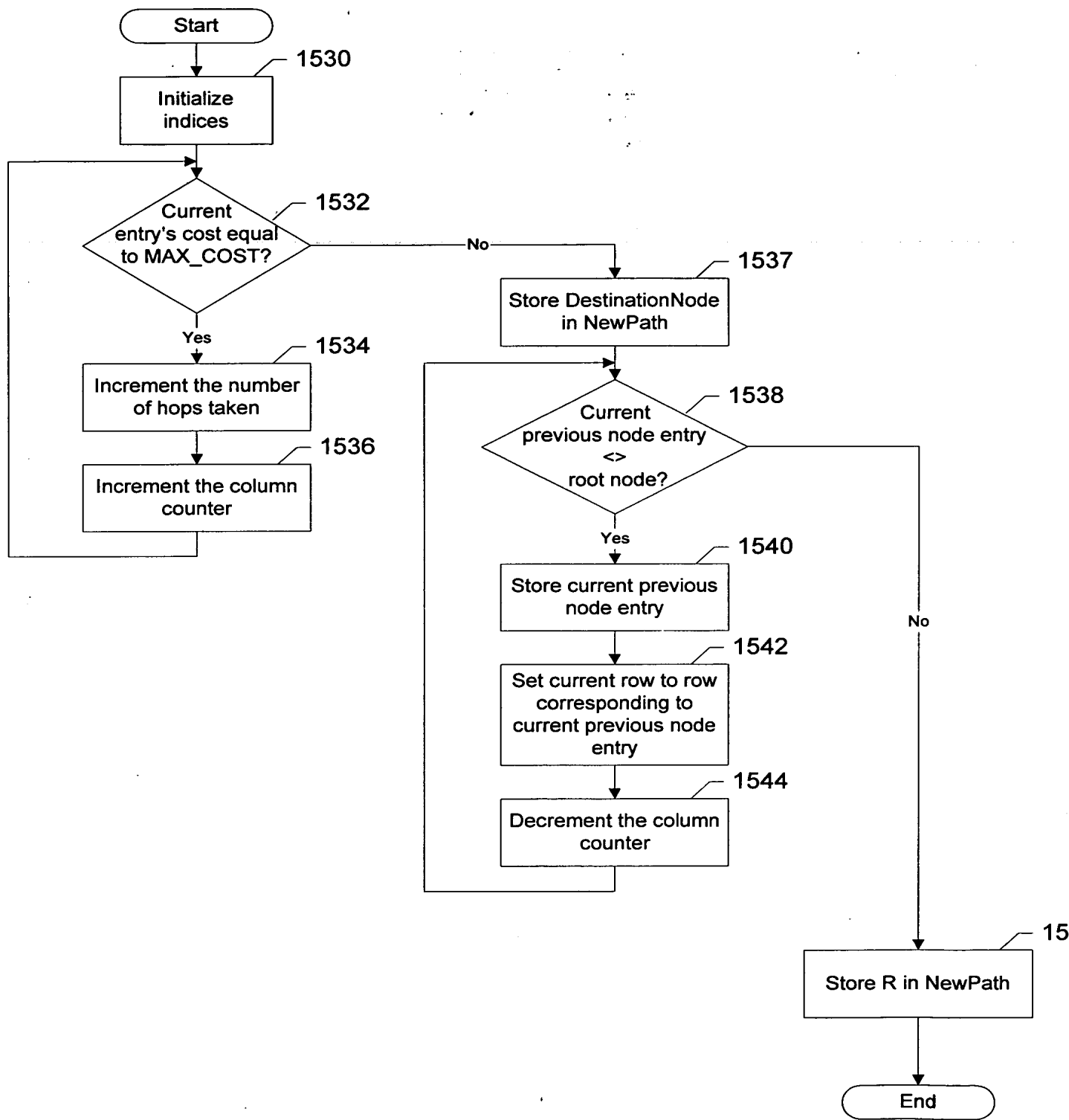


Fig. 15B



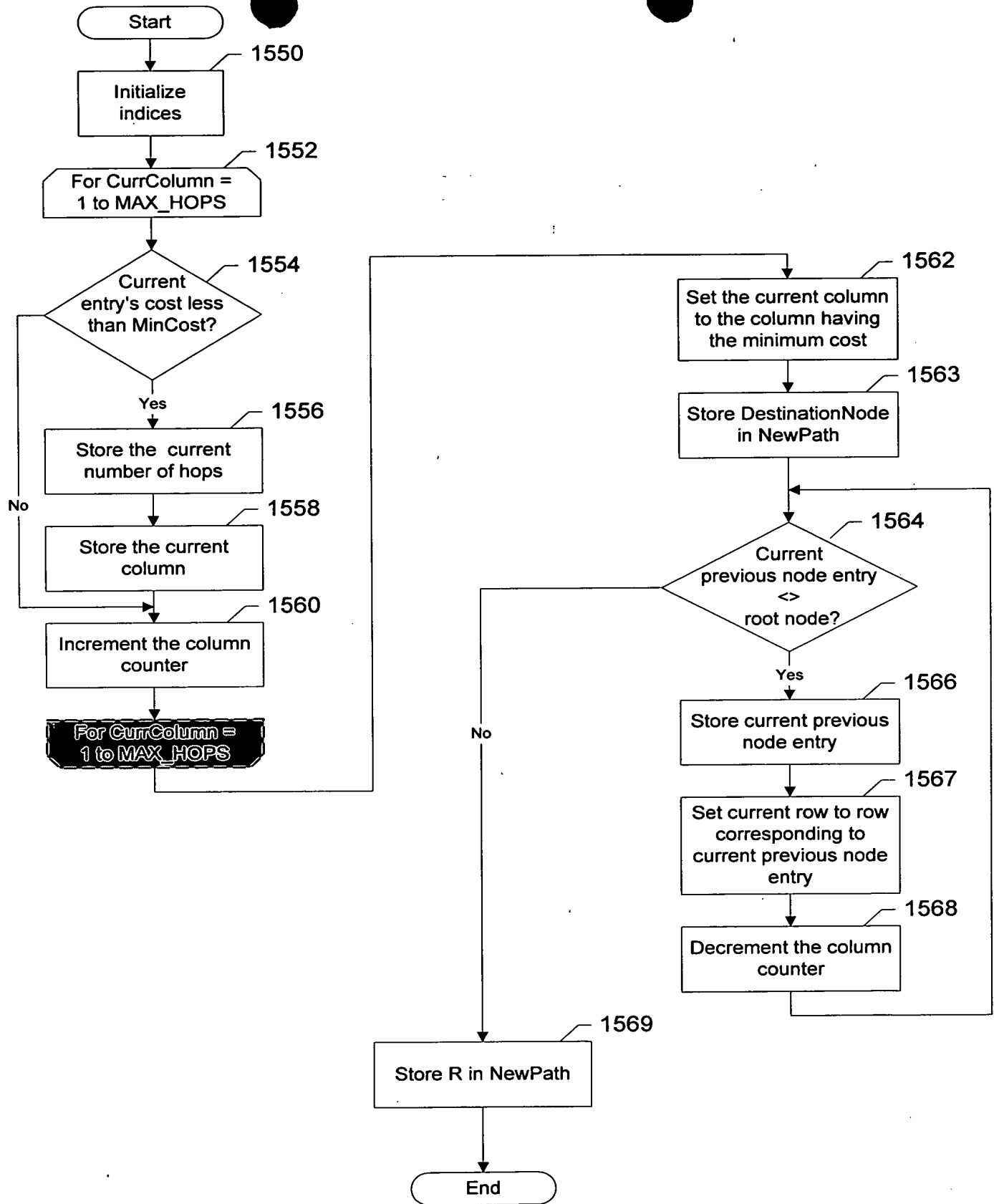
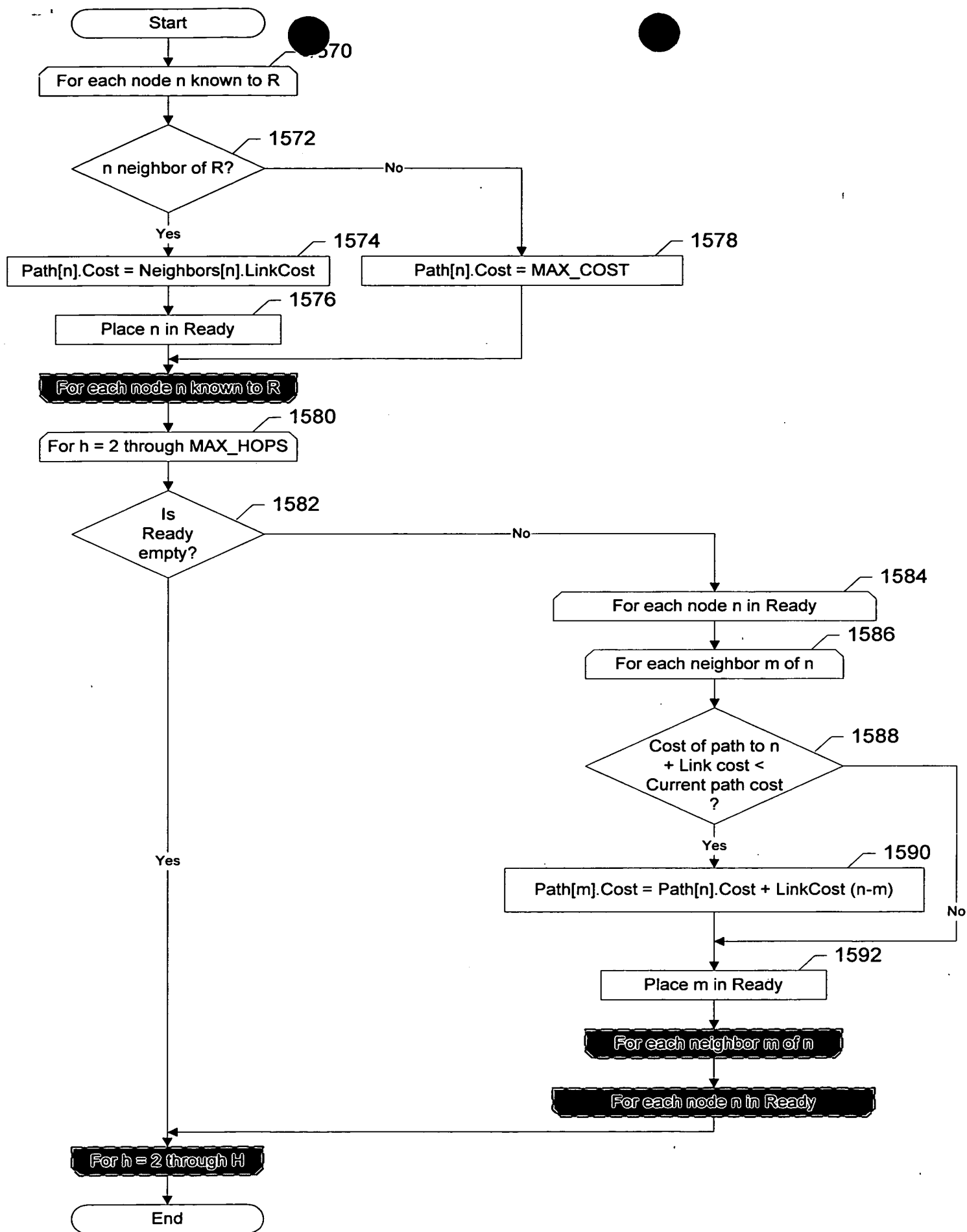


Fig. 15C



**Fig. 15D**